

- Who is known as the "Father of Computing"?
 - A. John von Neumann
 - B. Charles Babbage ✓**
 - C. Alan Turing
 - D. Bill Gates
- Who is considered the "Mother of Programming"?
 - A. Grace Hopper
 - B. Ada Lovelace ✓**
 - C. Barbara Liskov
 - D. Katherine Johnson
- The Analytical Engine was designed in:
 - A. 1822
 - B. 1833 ✓**
 - C. 1845
 - D. 1860
- Which was the world's first electronic digital computer?
 - A. Harvard Mark I
 - B. Atanasoff-Berry Computer (ABC) ✓**
 - C. ENIAC
 - D. UNIVAC
- ENIAC was developed in:
 - A. 1939
 - B. 1943
 - C. 1946 ✓**
 - D. 1951
- The first commercially successful computer was:
 - A. ENIAC
 - B. UNIVAC I ✓**
 - C. Harvard Mark I
 - D. Cray 1
- The first microprocessor Intel 4004 was introduced in:
 - A. 1969
 - B. 1970
 - C. 1971 ✓**
 - D. 1975
- The first computer virus appeared in:
 - A. 1975
 - B. 1983
 - C. 1986 ✓**
 - D. 1990
- Who proposed the concept of the Turing Machine?
 - A. Alan Turing ✓**
 - B. John von Neumann

- C. Charles Babbage
- D. Bill Gates

• The first high-level programming language was:

- A. Java
- B. FORTRAN ✓**
- C. C
- D. COBOL

1–10: History & Evolution of Computing

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-

11–20: Computer Hardware

11. The brain of the computer is:
A. RAM
B. Hard Disk
C. CPU ✓
D. Monitor
12. Which unit performs calculations?
A. CU
B. ROM
C. ALU ✓
D. Cache
13. Which memory is volatile?
A. RAM ✓
B. ROM
C. Hard Disk
D. CD-ROM
14. Which memory is permanent?
A. RAM
B. ROM ✓
C. Cache
D. Register
15. Cache memory is used to:
A. Store large programs
B. Speed up data access ✓
C. Store graphics
D. Store permanent data

16. Which of the following is an input device?

- A. Printer
- B. Scanner ✓**
- C. Monitor
- D. Speaker

17. Which of the following is an output device?

- A. Keyboard
- B. Mouse
- C. Monitor ✓**
- D. Joystick

18. A hard disk is a:

- A. Primary memory
- B. Secondary storage ✓**
- C. Input device
- D. Cache

19. Floppy disks can store up to:

- A. 500 MB
- B. 1.44 MB ✓**
- C. 5 GB
- D. 700 MB

20. Which port is the fastest?

- A. Parallel
- B. Serial
- C. USB ✓**
- D. SCSI

21–30: Software & OS

21. Software that controls hardware is called:

- A. Application software
- B. System software ✓**
- C. Utility software
- D. Firmware

22. MS Word is an example of:

- A. Application software ✓**
- B. Operating System
- C. Utility software
- D. Language Translator

23. Which of the following is not an operating system?

- A. Linux
- B. Windows
- C. Java ✓**
- D. MacOS

24. Which part of the OS manages hardware?
- A. Kernel** ✓
 - B. File System
 - C. Driver
 - D. API
25. A translator that converts high-level code into machine code is called:
- A. Interpreter
 - B. Compiler** ✓
 - C. Assembler
 - D. Linker
26. The first compiler was developed by:
- A. Charles Babbage
 - B. Grace Hopper** ✓
 - C. Ada Lovelace
 - D. John Mauchly
27. Freeware software is:
- A. Free trial only
 - B. Free to use** ✓
 - C. Free with ads
 - D. Free for students only
28. Linux is an example of:
- A. Proprietary software
 - B. Open-source software** ✓
 - C. Freeware
 - D. Trialware
29. Which software runs continuously when a computer is on?
- A. Antivirus
 - B. Operating System** ✓
 - C. Word Processor
 - D. Browser
30. Which license allows modification and redistribution?
- A. Shareware
 - B. Freeware
 - C. Open Source** ✓
 - D. Proprietary
-

31–40: Internet & Networking

31. URL stands for:
- A. Uniform Resource Locator** ✓
 - B. Universal Remote Locator
 - C. Unified Resource Link
 - D. Uniform Retrieval Location

32. HTTP is used for:
- A. File transfer
 - B. Web browsing ✓**
 - C. Email
 - D. Remote login
33. Which protocol is used for email?
- A. SMTP ✓**
 - B. FTP
 - C. HTTP
 - D. SNMP
34. Which device connects multiple computers in a LAN?
- A. Modem
 - B. Switch ✓**
 - C. Router
 - D. Firewall
35. Which topology connects each computer to every other?
- A. Mesh ✓**
 - B. Star
 - C. Ring
 - D. Bus
36. ARPANET was the predecessor of:
- A. WWW
 - B. Internet ✓**
 - C. Ethernet
 - D. Intranet
37. DNS translates:
- A. Domain names to IP addresses ✓**
 - B. IP addresses to MAC
 - C. Emails to IP
 - D. Binary to text
38. Which service allows real-time chatting?
- A. Email
 - B. Instant Messaging ✓**
 - C. FTP
 - D. VoIP
39. VoIP stands for:
- A. Voice on Internet Protocol
 - B. Voice over Internet Protocol ✓**
 - C. Virtual Internet Phone
 - D. Verified Internet Protocol
40. WWW was invented by:
- A. Tim Berners-Lee ✓**
 - B. Bill Gates
 - C. Steve Jobs
 - D. Alan Turing

41–50: Programming Basics & Algorithms

41. Which is the first step of problem solving using computers?

A. Define the problem ✓

B. Write code

C. Debug program

D. Test output

42. A step-by-step procedure to solve a problem is called:

A. Algorithm ✓

B. Program

C. Flowchart

D. Method

43. Which symbol is used for decision-making in flowcharts?

A. Rectangle

B. Diamond ✓

C. Circle

D. Parallelogram

44. Which programming paradigm is based on objects?

A. Procedural

B. Object-Oriented ✓

C. Functional

D. Logic

45. Which of the following is NOT a programming language?

A. Python

B. Java

C. MS Excel ✓

D. C++

46. A variable is used to:

A. Store data temporarily ✓

B. Store permanent data

C. Display results

D. Execute instructions

47. JavaScript is an example of:

A. Server-side scripting

B. Client-side scripting ✓

C. Machine language

D. Assembly language

48. A brute-force algorithm is also called:

A. Exhaustive search ✓

B. Randomized algorithm

C. Greedy algorithm

D. Heuristic

49. Which algorithm always picks the best option at each step?

A. Greedy ✓

B. Randomized

- C. Divide & Conquer
- D. Brute Force

50. Who is known as the father of algorithms?

- A. Al-Khwarizmi** ✓
- B. Charles Babbage
- C. John von Neumann
- D. Alan Turing

51–60: Data & Databases

51. DBMS stands for:

- A. Database Management System** ✓
- B. Data Backup Memory Storage
- C. Data Binary Management System
- D. Database Machine Software

52. Which is NOT a type of database?

- A. Relational
- B. Hierarchical
- C. Network
- D. Sequential** ✓

53. In RDBMS, data is stored in:

- A. Trees
- B. Tables** ✓
- C. Linked Lists
- D. Files

54. SQL stands for:

- A. Structured Query Language** ✓
- B. Simple Query Language
- C. Sequential Query Language
- D. System Query Language

55. The unique value in a database table is ensured by:

- A. Primary Key** ✓
- B. Foreign Key
- C. Index
- D. Attribute

56. Which is an example of a DBMS software?

- A. MySQL** ✓
- B. MS Word
- C. Photoshop
- D. Windows

57. Which command is used to extract data from a database?

- A. SELECT** ✓
- B. UPDATE

- C. DELETE
- D. CREATE

58. A foreign key is used to:

- A. Link two tables ✓**
- B. Encrypt database
- C. Speed up queries
- D. Identify unique records

59. A flat-file database stores data in:

- A. Single table ✓**
- B. Multiple relations
- C. Network format
- D. XML format

60. Which of the following is NOT a DBMS?

- A. Oracle
- B. PowerPoint ✓**
- C. MS Access
- D. PostgreSQL

61–70: Web Development

61. HTML stands for:

- A. HyperText Markup Language ✓**
- B. HighText Machine Language
- C. Hyperlink Text Management Language
- D. Hyper Tool Markup Language

62. `<br>` in HTML represents:

- A. Line Break ✓**
- B. Bold Text
- C. Table Row
- D. Page End

63. `<a href="URL">` is used for:

- A. Creating a hyperlink ✓**
- B. Making bold text
- C. Adding images
- D. Creating lists

64. `<ul>` is used for:

- A. Unordered List ✓**
- B. Underlined Link
- C. Upper List
- D. Unlocked List

65. Which tag inserts images in HTML?

- A. `<img>` ✓**
- B. `<pic>`
- C. `<image>`
- D. `<src>`

66. JavaScript is primarily used for:
- A. Server management
 - B. Web interactivity** ✓
 - C. Database creation
 - D. Graphics design
67. CSS stands for:
- A. Cascading Style Sheets** ✓
 - B. Creative Style System
 - C. Computer Styled Sheets
 - D. Cascaded Syntax System
68. Which tag is used for largest heading in HTML?
- A. <h1>** ✓
 - B. <head>
 - C. <heading>
 - D. <h6>
69. Client-side scripts run on:
- A. User's browser** ✓
 - B. Web server
 - C. Database
 - D. Compiler
70. Which input element is used to select multiple options?
- A. Radio Button
 - B. Checkbox** ✓
 - C. Textbox
 - D. Drop-down

71–80: Cybersecurity & Ethics

71. A program that damages your computer is called:
- A. Virus** ✓
 - B. Compiler
 - C. Browser
 - D. Driver
72. A DoS attack stands for:
- A. Denial of Service** ✓
 - B. Domain of Service
 - C. Data on Server
 - D. Disk on System
73. Which is NOT a type of malware?
- A. Worm
 - B. Trojan
 - C. Spyware
 - D. Compiler** ✓

74. Which virus disguises itself as a useful program?

- A. Trojan ✓**
- B. Worm
- C. Logic Bomb
- D. Spyware

75. Which virus replicates itself automatically?

- A. Worm ✓**
- B. Trojan
- C. Spyware
- D. Rootkit

76. Unauthorized access to systems is called:

- A. Hacking ✓**
- B. Debugging
- C. Compiling
- D. Networking

77. Encryption is used to:

- A. Protect data ✓**
- B. Delete files
- C. Backup storage
- D. Speed up execution

78. Cybercrime includes:

- A. Identity theft
- B. Online fraud
- C. Virus attacks
- D. All of the above ✓**

79. Ethical hackers are also called:

- A. White Hat Hackers ✓**
- B. Black Hat Hackers
- C. Crackers
- D. Script Kiddies

80. Which law protects intellectual property?

- A. Copyright ✓**
- B. Trademark
- C. Patent
- D. License

81–90: Computer Applications

81. MS Word is an example of:

- A. Word Processor ✓**
- B. Spreadsheet
- C. Presentation software
- D. DBMS

82. MS Excel is used for:

- A. Presentations
- B. Spreadsheets ✓**
- C. Word Processing
- D. Graphics

83. MS PowerPoint is used for:

- A. Databases
- B. Spreadsheets
- C. Presentations ✓**
- D. Word Processing

84. A group of related programs is called:

- A. Software Suite ✓**
- B. Operating System
- C. Application
- D. DBMS

85. ERP stands for:

- A. Enterprise Resource Planning ✓**
- B. Enterprise Resource Program
- C. Extended Resource Processing
- D. Enterprise Registry Program

86. DSS stands for:

- A. Decision Support System ✓**
- B. Data Support Software
- C. Distributed System Support
- D. Decision Storage System

87. Which is NOT productivity software?

- A. Word Processor
- B. Spreadsheet
- C. Presentation software
- D. Antivirus ✓**

88. An example of open-source office suite is:

- A. LibreOffice ✓**
- B. MS Office
- C. Google Chrome
- D. Photoshop

89. Which software is used for calculations and graphs?

- A. Word Processor
- B. Spreadsheet ✓**
- C. Presentation
- D. Browser

90. Which software is used to organize and store data?

- A. Spreadsheet
- B. Database ✓**
- C. Word Processor
- D. Presentation

91–100: Future & Professional Aspects

91. AI stands for:

- A. Artificial Intelligence ✓**
- B. Automated Internet
- C. Artificial Interaction
- D. Advanced Information

92. Robotics is a field of:

- A. Artificial Intelligence ✓**
- B. Web Development
- C. Cybersecurity
- D. Databases

93. Fuzzy logic deals with:

- A. Approximate reasoning ✓**
- B. Exact logic
- C. Binary only
- D. Random numbers

94. Which is an example of AI?

- A. Speech Recognition ✓**
- B. Calculator
- C. Compiler
- D. MS Paint

95. Moore's law states that:

- A. Transistors double every 2 years ✓**
- B. Software doubles every year
- C. Memory doubles every month
- D. Internet speed doubles every 5 years

96. Virtual Reality (VR) is used in:

- A. Gaming
- B. Medical training
- C. Education
- D. All of the above ✓**

97. Which is NOT a future trend?

- A. Quantum Computing
- B. Cloud Computing
- C. Punch Cards ✓**
- D. Artificial Intelligence

98. Working from home using internet is called:

- A. Telecommuting ✓**
- B. Networking
- C. Outsourcing
- D. Virtualization

99. IT stands for:

- A. Information Technology** ✓
- B. Internet Technology
- C. Integrated Telecommunication
- D. Intelligent Tools

100. The study of computer ethics deals with:

- A. Responsible use of computers** ✓
- B. Speed of computers
- C. Security only
- D. Cost of computers